LOOK-AHEAD SYSTEM AND METHOD FOR PAN AND ZOOM DETECTION IN VIDEO SEQUENCES

ABSTRACT OF THE DISCLOSURE

A look-ahead system and method for pan and zoom detection in video sequences is disclosed. The system and method use motion vectors in a reference coordinate system to identify pans and zooms in video sequences. The identification of pans and zooms enables parameter switching for improved encoding in various video standards (e.g., H.264) and improved video retrieval of documentary movies and other video sequences in video databases or other storage devices.